AUTOMATED IMAGE IDENTIFICATION SYSTEM

ABSTRACT OF THE DISCLOSURE

The present invention provides an automatic identification system, capable of discriminating species based on non-apparent differences in wing morphology. An input image to be classified or identified is input and stored. An image pose normalizer is used

5   to image pose normalize the input image to produce an image pose normalized input image. The image pose normalized input image is compared to each of a plurality of sample image pose normalized images in a stored training set comprising the plurality of sample image posed normalized images. At least one of the plurality of

10. sample images which most closely corresponds to the input image may then be displayed. The system of the present invention is ideally suited for a group of insects with apparent, but subtle wing differences, and thus is capable of overcoming the taxonomic impediment hindering the inventorying and monitoring of

15   biodiversity.